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PROGRESS REPORT NO. 2, SEPTEMBER 1, 1972

ERTS 1 PROPOSAL NMC NO. 0204

E72-10077
CR-128092

Title: "To Map the Distribution of Glaciofluvial Deposits and Associated
Glacial Landforms"; GSFC ID ST 354

By: Raymond G. Woodman, Principal Investigator

Problems: No ERTS 1 imagery has been received to date, due to the late
launching of the satellite. Imagery obtained on a U-2 mission flown
April 27 has not been delivered to date.

Accomplishments: The ERTS-1 satellite was launched July 23; GSFC bulletins
have informed investigators of orbital cycles and sensor operations. The
Bausch and Lomb "Zoom 95" stereoscope ordered through this proposal has
been delivered and is currently being set up for photo interpretation
purposes. Underflight missions flown August 15 and 16 obtained excellent
stereo coverage of twelve selected flight lines within the six statewide
study areas at the scale of 1:80,000. Twelve frames of high speed ekta-
chrome color and twelve of Aerochrome Color Infrared in 70mm. format were
obtained for each flight line by simultaneous exposure, using two Hassel-
blad cameras in a specially designed mount. The resulting imagery is
currently being studied, and compared with conventional airphoto coverage.
Ground truth data were obtained at select sites within each of the flight
lines.

A U-2 underflight mission was flown August 20, covering about 500 linear
nautical miles. This mission covers portion of the six statewide study
areas and includes all of the 1:80,000 flights described above. RCV and
CIR imagery was obtained. Ames Research Center will probably forward this
and the April 27 U-2 imagery by September 10.

Results and Applications: None to date.

(E72-10077) TO MAP THE DISTRIBUTION OF
GLACIOFLUVIAL DEPOSITS AND ASSOCIATED
GLACIAL LANDFORMS Progress Report, R.G.
Woodman (Maine Dept. of Transportation,
Augusta.) 1 Sep. 1972 2 p

N72-31359

Unclas
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Item 3, 'e' through 'k': not applicable to this report

Planned for next reporting period: Analysis of imagery and photography described above.

